

SEQUENCE LISTING

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<120> Peptide Complexes Containing Phospholipase D

<130> 1751-377

<140> 10/528,172

<141> 2005-03-17

<150> PCT/KR03/001903

<151> 2003-09-18

<150> 60/416,552

<151> 2002-10-08

<150> 60/411,600

<151> 2002-09-18

<160> 15

<170> PatentIn version 3.3

<210> 1

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<212> PRT

<213> Rattus norvegicus

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Leu Asp Leu Ala Gly Arg  
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<210> 2

<211> 7

<212> PRT

<213> Rattus norvegicus

<400> 2

Ile Leu Ala Pro Pro Glu Arg  
1 5

<210> 3  
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Gly Tyr Ser Phe Thr Thr Thr Ala Glu Arg  
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<213> Rattus norvegicus

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His Gln Gly Val Met Val Gly Met Gly Gln Lys  
1 5 10

<210> 5  
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<212> PRT  
<213> Rattus norvegicus

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Gln Glu Tyr Asp Glu Ser Gly Pro Ser Ile Val His Arg  
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Ser Tyr Glu Leu Pro Asp Gly Gln Val Ile Thr Ile Gly Asn Glu Arg  
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Val Ala Pro Glu Glu His Pro Val Leu Leu Thr Glu Ala Pro Leu Asn  
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Pro Lys

<210> 8  
 <211> 356  
 <212> PRT  
 <213> Rattus norvegicus

<400> 8

Pro His Ser Tyr Pro Ala Leu Ser Ala Glu Gln Lys Lys Glu Leu Ser  
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Asp Ile Ala Leu Arg Ile Val Ala Pro Gly Lys Gly Ile Leu Ala Ala  
 20 25 30

Asp Glu Ser Val Gly Ser Met Ala Lys Arg Leu Ser Gln Ile Gly Val  
 35 40 45

Glu Asn Thr Glu Glu Asn Arg Arg Leu Tyr Arg Gln Val Leu Phe Ser  
 50 55 60

Ala Asp Asp Arg Val Lys Lys Cys Ile Gly Gly Val Ile Phe Phe His  
 65 70 75 80

Glu Thr Leu Tyr Gln Lys Asp Asp Asn Gly Val Pro Phe Val Arg Thr  
 85 90 95

Ile Gln Glu Lys Gly Ile Leu Val Gly Ile Lys Val Asp Lys Gly Val  
 100 105 110

Val Pro Leu Ala Gly Thr Asp Gly Glu Thr Thr Thr Gln Gly Leu Asp  
 115 120 125

Gly Leu Leu Glu Arg Cys Ala Gln Tyr Lys Lys Asp Gly Ala Asp Phe  
 130 135 140

Ala Lys Trp Arg Cys Val Leu Lys Ile Ser Asp Arg Thr Pro Ser Ala  
 145 150 155 160

Leu Ala Ile Leu Glu Asn Ala Asn Val Leu Ala Arg Tyr Ala Ser Ile  
165 170 175

Cys Gln Gln Asn Gly Ile Val Pro Ile Val Glu Pro Glu Ile Leu Pro  
180 185 190

Asp Gly Asp His Asp Leu Lys Arg Gln Phe Val Glu Lys Val Leu Ala  
195 200 205

Ala Val Tyr Lys Ala Leu Ser Asp His His Val Tyr Leu Glu Gly Thr  
210 215 220

Leu Leu Lys Pro Asn Met Val Thr Pro Gly His Ala Cys Pro Ile Lys  
225 230 235 240

Tyr Ser Pro Glu Glu Ile Ala Met Thr Ala Leu Arg Arg Thr Val Pro  
245 250 255

Pro Ala Val Pro Gly Val Thr Phe Leu Ser Gly Gly Gln Ser Glu Glu  
260 265 270

Glu Ala Ser Leu Asn Leu Asn Ala Ile Asn Arg Cys Ser Leu Pro Arg  
275 280 285

Pro Trp Ala Leu Thr Phe Ser Tyr Gly Arg Ala Leu Gln Ala Ser Ala  
290 295 300

Leu Ser Ala Trp Arg Gly Gln Arg Asp Asn Ala Gly Ala Ala Thr Glu  
305 310 315 320

Glu Phe Ile Lys Arg Ala Glu Met Asn Gly Leu Ala Ala Gln Gly Lys  
325 330 335

Tyr Glu Gly Ser Gly Asp Gly Gly Ala Ala Ala Gln Ser Leu Tyr Val  
340 345 350

Ala Asn Ala Tyr  
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<212> PRT  
<213> Homo sapiens

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Gly Cys Pro Ile Lys Ala Gln Val Leu Glu Val Glu Arg Phe Thr Ser  
1 5 10 15

Thr Thr Arg Val Pro Ser Ile Asn Leu Tyr Thr Ile Glu Leu Thr His  
20 25 30

Gly Glu Phe Lys Trp Gln Val Lys Arg Lys Phe Lys His Phe Gln Glu  
35 40 45

Phe His Arg Glu Leu Leu Lys Tyr Lys Ala Phe Ile Arg Ile Pro Ile  
50 55 60

Pro Thr Arg Arg His Thr Phe Arg Arg Gln Asn Val Arg Glu Glu Pro  
65 70 75 80

Arg Glu Met Pro Ser Leu Pro Arg Ser Ser Glu Asn Met Ile Arg Glu  
85 90 95

Glu Gln Phe Leu Gly Arg Arg Lys Gln Leu Glu Asp Tyr Leu Thr Lys  
100 105 110

Ile Leu Lys Met Pro Met Tyr Arg Asn Tyr His Ala Thr Thr Glu Phe  
115 120 125

Leu Asp Ile Ser Gln Leu Ser Phe  
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<212> PRT  
<213> Homo sapiens

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Ile Ala Leu Leu Gly Phe Glu Lys Arg Phe Val Pro Ser Gln His Tyr  
1 5 10 15

Val Tyr Met Phe Leu Val Lys Trp Gln Asp Leu Ser Glu Lys Val Val  
20 25 30

Tyr Arg Arg Phe Thr Glu Ile Tyr Glu Phe His Lys Thr Leu Lys Glu  
 35 40 45

Met Phe Pro Ile Glu Ala Gly Ala Ile Asn Pro Glu Asn Arg Ile Ile  
 50 55 60

Pro His Leu Pro Ala Pro Lys Trp Phe Asp Gly Gln Arg Ala Ala Glu  
 65 70 75 80

Asn Arg Gln Gly Thr Leu Thr Glu Tyr Cys Ser Thr Leu Met Ser Leu  
 85 90 95

Pro Thr Lys Ile Ser Arg Cys Pro His Leu Leu Asp Phe Phe Lys Val  
 100 105 110

Arg Pro Asp Asp Leu Lys Leu Pro  
 115 120

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 <212> PRT  
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Val Ser Ile Pro Ser Ser Asp Glu His Arg Glu Lys Lys Lys Arg Phe  
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Thr Val Tyr Lys Val Leu Val Ser Val Gly Arg Ser Glu Trp Phe Val  
 20 25 30

Phe Arg Arg Tyr Ala Glu Val Asp Lys Leu Tyr Asn Thr Leu Lys Lys  
 35 40 45

Gln Phe Pro Ala Met Ala Leu Lys Ile Pro Ala Lys Arg Ile Phe Gly  
 50 55 60

Asp Asn Phe Asp Pro Asp Phe Ile Lys Gln Arg Arg Ala Gly Leu Asn  
 65 70 75 80

Glu Phe Ile Gln Asn Leu Val Arg Tyr Pro Glu Leu Tyr Asn His Pro  
 85 90 95

Asp Val Arg Ala Phe Leu Gln  
100

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<212> PRT  
<213> Homo sapiens

<400> 12

Leu Thr Val Gly Ile Thr Asp Pro Glu Lys Ile Gly Asp Gly Met Asn  
1 5 10 15

Ala Tyr Val Ala Tyr Lys Val Thr Thr Gln Thr Ser Leu Pro Leu Phe  
20 25 30

Arg Ser Lys Gln Phe Ala Val Lys Arg Arg Phe Ser Asp Phe Leu Gly  
35 40 45

Leu Tyr Glu Lys Leu Ser Glu Lys His Ser Gln Asn Gly Phe Ile Val  
50 55 60

Pro Pro Pro Pro Glu Lys Ser Leu Ile Gly Met Thr Lys Val Lys Val  
65 70 75 80

Gly Lys Glu Asp Ser Ser Ser Ala Glu Phe Leu Glu Lys Arg Arg Ala  
85 90 95

Ala Leu Glu Arg Tyr Leu Gln Arg Ile Val Asn His Pro Thr Met Leu  
100 105 110

Gln Asp Pro Asp Val Arg Glu Phe Leu  
115 120

<210> 13  
<211> 117  
<212> PRT  
<213> Mus musculus

<400> 13

Val Gln Asp Ala Thr Val Val Asp Val Glu Lys Arg Arg Ser Pro Ser  
1 5 10 15

Lys His Tyr Val Tyr Ile Ile Asn Val Thr Trp Ser Asp Ser Thr Ser  
 20 25 30

Gln Thr Ile Tyr Arg Arg Tyr Ser Lys Phe Phe Asp Leu Gln Met Gln  
 35 40 45

Leu Leu Asp Lys Phe Pro Ile Glu Gly Gly Gln Lys Asp Pro Lys Gln  
 50 55 60

Arg Ile Ile Pro Phe Leu Pro Gly Lys Ile Leu Phe Arg Arg Ser His  
 65 70 75 80

Ile Arg Asp Val Ala Val Lys Arg Leu Lys Pro Ile Asp Glu Tyr Cys  
 85 90 95

Arg Ala Leu Val Arg Leu Pro Pro His Ile Ser Gln Cys Asp Glu Val  
 100 105 110

Phe Arg Phe Phe Glu  
 115

<210> 14  
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 <212> PRT  
 <213> Homo sapiens

<400> 14

Ala Asn Ile Ala Asp Ile Glu Glu Lys Arg Gly Phe Thr Ser His Phe  
 1 5 10 15

Val Phe Val Ile Glu Val Lys Thr Lys Gly Gly Ser Lys Tyr Leu Ile  
 20 25 30

Tyr Arg Arg Tyr Arg Gln Phe His Ala Leu Gln Ser Lys Leu Glu Glu  
 35 40 45

Arg Phe Gly Pro Asp Ser Lys Ser Ser Ala Leu Ala Cys Thr Leu Pro  
 50 55 60

Thr Leu Pro Ala Lys Val Tyr Val Gly Val Lys Gln Glu Ile Ala Glu  
 65 70 75 80



Met Arg Ile Pro Ala Leu Asn Ala Tyr Met Lys Ser Leu Leu Ser Leu  
85 90 95

Pro Val Trp Val Leu Met Asp Glu Asp Val Arg Ile Phe Phe Tyr Gln  
100 105 110

Ser Pro Tyr Asp Ser Glu Gln Val  
115 120

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<211> 122  
<212> PRT  
<213> *Saccharomyces cerevisiae*

<400> 15

Met Ala Ala Asn Ser Val Gly Lys Met Ser Glu Lys Leu Arg Ile Lys  
1 5 10 15

Val Asp Asp Val Lys Ile Asn Pro Lys Tyr Val Leu Tyr Gly Val Ser  
20 25 30

Thr Pro Asn Lys Arg Leu Tyr Lys Arg Tyr Ser Glu Phe Trp Lys Leu  
35 40 45

Lys Thr Arg Leu Glu Arg Asp Val Gly Ser Thr Ile Pro Tyr Asp Phe  
50 55 60

Pro Glu Lys Pro Gly Val Leu Asp Arg Arg Trp Gln Arg Arg Tyr Asp  
65 70 75 80

Asp Pro Glu Met Ile Asp Glu Arg Arg Ile Gly Leu Glu Arg Phe Leu  
85 90 95

Asn Glu Leu Tyr Asn Asp Arg Phe Asp Ser Arg Trp Arg Asp Thr Lys  
100 105 110

Ile Ala Gln Asp Phe Leu Gln Leu Ser Lys  
115 120